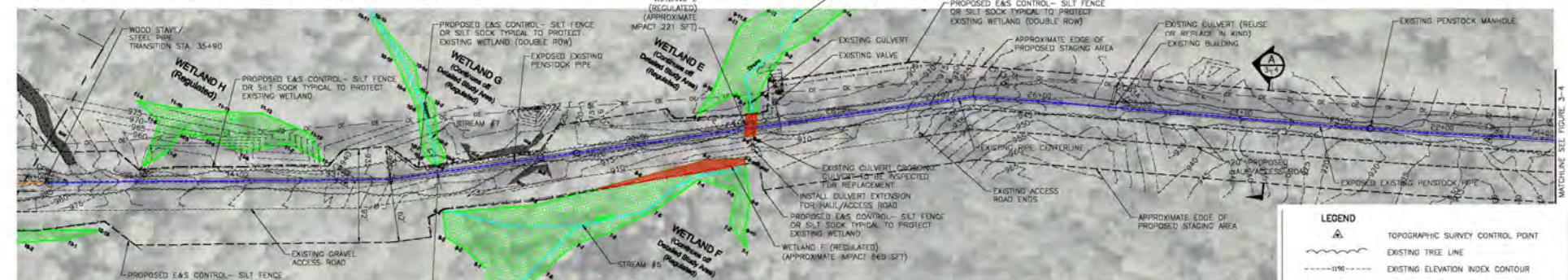


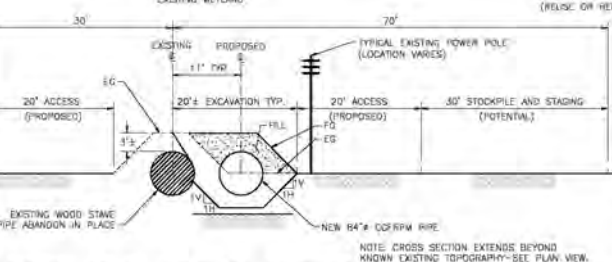
NOTES:
 1. DETAILS SHOWN ARE APPROXIMATE AND ARE BASED ON A 50% ENGINEERING DESIGN LEVEL. FINAL CONSTRUCTION PLANS ARE BEING DEVELOPED AND WILL BE SUBMITTED AS PART OF OBTAINING ANY NECESSARY PERMITS FOR CONSTRUCTION AS NEEDED.

PRELIMINARY DESIGN:
 - ISSUE FOR REGULATORY REVIEW ONLY
 - NOT FOR CONSTRUCTION

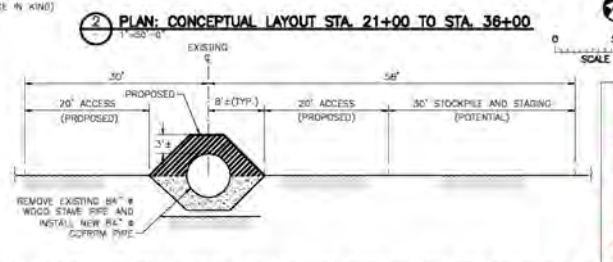
PLAN: CONCEPTUAL LAYOUT STA. 36+00 TO STA. 50+00



PLAN: CONCEPTUAL LAYOUT STA. 21+00 TO STA. 36+00



D TYPICAL SECTION: NEW 84" DIA. CCFRPM PIPE SECTION STA. 45+00 TO 50+00



E TYPICAL SECTION: NEW 84" DIA. CCFRPM PIPE SECTION STA. 35+90 TO 45+00

| LEGEND | |
|--------|---|
| | TOPOGRAPHIC SURVEY CONTROL POINT |
| | EXISTING TREE LINE |
| | EXISTING ELEVATION INDEX CONTOUR |
| | EXISTING WATER LINE |
| | EXISTING EDGE OF GRAVEL |
| | EXISTING CONCRETE OR ASPHALT EXTENT |
| | EXISTING OVERHEAD ELECTRIC |
| | EXISTING DITCH |
| | EXISTING PROPERTY LINE |
| | EXISTING WETLAND AND FLAG NO. |
| | EXISTING SIGN |
| | EXISTING RIPRAP |
| | EXISTING ROCK OUTCROPPING |
| | PROPOSED E&S CONTROL - SILT FENCE OR SILT SOCK TYPICAL (DOUBLE ROW) SEE TYPICAL |
| | PROPOSED E&S CONTROL - SILT FENCE OR SILT SOCK TYPICAL |
| | PROPOSED ROCK CONSTRUCTION ENTRANCE SEAL |

| NO. | BY | CHK | APP | DATE | REVISION DESCRIPTION |
|-----|-----|-----|-----|------------|--|
| 1 | MAK | MAK | | 10/02/2008 | ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION |
| 2 | MAK | MAK | | 10/02/2008 | ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION |
| 3 | MAK | MAK | | 10/02/2008 | COMMENTS FROM R222/ANTHONY |
| 4 | MAK | MAK | | 10/02/2008 | REVISED ALIGNMENT |
| 5 | MAK | MAK | | 10/02/2008 | PERIC SLEWING |
| 6 | MAK | MAK | | 10/02/2008 | REVISIONS/INTERLOCKS |

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MICHIGAN.

SIGNATURE
 PRINTED NAME: WILLIAM J. FOSSMARK
 DATE: REG. NO.: 38672

| CLIENT | DATE | DATE | DATE | DATE | DATE | DATE | DATE |
|---------------------------|----------|----------|----------|----------|------|------|------|
| UPPER PENINSULA POWER CO. | 10/10/08 | 10/23/08 | 11/23/08 | 02/28/09 | | | |

BARR
 ENGINEERS
 CORPORATION
 4700 WEST 77TH STREET
 MINNEAPOLIS, MN.
 55435-4803
 Tel: 1-800-832-2277
 Fax: (612) 832-2801
 www.barr.com

| Scale | AS SHOWN |
|----------|------------|
| Date | 10/02/2008 |
| Drawn | RLG/MRM |
| Checked | MAK2/MJF |
| Designed | MAK2 |
| Approved | |

UPPER PENINSULA POWER CO.
 MARQUETTE COUNTY, MI

MCCURE PENSTOCK REPLACEMENT
 MARQUETTE COUNTY, MI
 CONCEPTUAL LAYOUT
 STA. 21+00 TO STA. 50+00

| BARR PROJECT No. | REV. No. |
|--------------------|----------|
| 22/52-088 | 0 |
| CLIENT PROJECT No. | REV. No. |
| | |

CADD USER: mak
 DATE: 10/02/2008 10:52:28 AM
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